

Name : _____

Standard Form & Exponential Form

A) Write the following numerals in expanded form and standard form.

S.No	Exponential Form	Expanded Form	Standard Form
1)	4^4		
2)	$(-8)^3$		
3)	3^8		
4)	$(-7)^4$		

B) Write the following numerals in exponential form.

S.No	Standard Form	Exponential Form
1)	6,561	
2)	16,800	
3)	81	
4)	256	

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C) Write the following numerals in exponential form using prime factorization.

1) $121 =$ _____

2) $512 =$ _____

3) $3,125 =$ _____

4) $6,561 =$ _____

5) $19,683 =$ _____

6) $2,401 =$ _____

Name : _____

Standard Form & Exponential Form

A) Write the following numerals in expanded form and standard form.

S.No	Exponential Form	Expanded Form	Standard Form
1)	4^4	$4 \cdot 4 \cdot 4 \cdot 4$	256
2)	$(-8)^3$	$(-8) \cdot (-8) \cdot (-8)$	-512
3)	3^8	$3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$	6,561
4)	$(-7)^4$		2,401

B) Write the following numerals in exponential form.

S.No	Standard Form	Exponential Form
1)	6,561	$(-3)^8$
2)	16,807	7^5
3)	81	9^2
4)	256	4^4

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C) Write the following numerals in exponential form using prime factorization.

- | | |
|---|--|
| 1) 121 = <u> 11² </u> | 2) 512 = <u> 2⁹ </u> |
| 3) 3,125 = <u> 5⁵ </u> | 4) 6,561 = <u> 3⁸ </u> |
| 5) 19,683 = <u> 3⁹ </u> | 6) 2,401 = <u> 7⁴ </u> |